FRC 2023: Robot intake design and assembly

Led design and assembly of intake subsystem for school's FRC robot, coordinating CAD, prototyping, and build with team.

Skills

FRC subsystem leadership

CAD design of intake

Iterative prototyping & testing

Mechanical troubleshooting under pressure

Team coordination in robotics build season

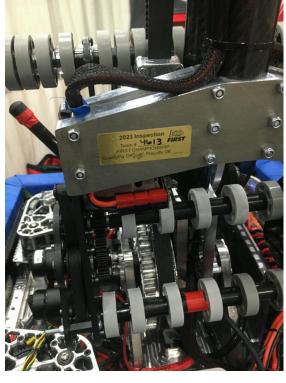
Design for CNC

Metalworking with aluminium parts

Awards

- Best end effector award at FRC World Championship 2023
- 2nd place in FRC World Championship division

Finished product images





Process/Production images:

